

ajd jittered signal is early, and sometimes, as in pulse 404, the jittered signal is late. Introducing a small random noise into the pulse modulated signal spreads the spectral properties of the pulse frequency (which is the ripple frequency of the analog output signal produced by low pass filtering of the pulse modulated signal).--

In the Claims:

Please charge any fees associated with this paper to deposit Account No. 05-0649.

Please amend Claim 1 as follows:

1. ( Amended) A switchable low pass filter comprising:

a first switch connected to a first resistive element;

a second switch connected to a second resistive element;

all a capacitive element connected to said first resistive element and to said second resistive element; and

a controller coupled to said first switch and said second switch, said controller adapted to alter the effective resistance of said switchable low pass filter by opening or closing either of said switches.